Journal of Accident & Emergency Medicine

VOLUME 17 • 2000

Editors: Jim Driscoll, Jim Wardrope
Associate editors: Kevin Mackway-Jones
Jonathan Wyatt
Technical editor: Jackie Foulds
Editorial assistant: Rachel Lynch

EDITORIAL BOARD

Ian Anderson (UK)
Thomas Beattie (UK)
Kenneth Boffard (South Africa)
Anthony Brown (Australia)
Mike Clancy (UK)
Rob Cocks (Hong Kong)
Christine Dearden (UK)
Roger Evans (UK)
Henry Guly (UK)
Jacqueline Hanson (UK)
Jerris Hedges (USA)
John Henry (UK)
John Heyworth (UK)
Geoffrey Hughes (New Zealand)
Robin Illingworth (UK)
Michael Lambert (UK)
Roderick Little (UK)
Christopher Luke (UK)
Mike McCabe (UK)
Alastair McGowan (UK)
Francis Morris (UK)
Patrick Nee (UK)
Barbara Phillips (UK)
Laurence Rocke (UK)
Roger Saadia (Canada)
David Skinner (UK)
Robin Touquet (UK)
David Yates (UK)
Registrar representative (post vacant)

BMJ Publishing Group

VOLUME 17 • CONTENTS

No 1 JANUARY 2000

Review

1 Should we establish chest pain observation units in the UK? A systematic review and critical appraisal of the literature *S W Goodacre*

7 Management of eclampsia in the accident and emergency department *P T Munro*

Special report

12 Continuing professional development for doctors in accident and emergency *H R Guly*

Original articles

15 High yield criteria for emergency cranial computed tomography in adult patients with no history of head injury *J E Harris, H L Draper, A I Rhodes, J M Stevens*

18 Study of choice between accident and emergency departments and general practice centres for out of hours primary care problems *S F Rajpar, M A Smith, M W Cooke*

22 Ultrasound imaging of forearm fractures in children: a viable alternative? *D Williamson, R Watura, M Cobby*

25 Accident and emergency department led implementation of ketamine sedation in paediatric practice and parental response *V J Holloway, H M Husain, J P Saetta, V Gautam*

29 Adult intraosseous infusion in accident and emergency departments in the UK *M Lavis, A Vaghela, C Tozer*

33 Toxicological screening in trauma *T D Carrigan, H Field, R N Illingworth, P Gaffney, D W Hamer*

38 Mass carbon monoxide poisoning *C McGuffie, J P Wyatt, G W Kerr, W S Hislop*

ECG interpretation for the emergency department

40 Electrocardiographic abnormalities encountered in acute myocardial infarction *W J Brady, F Morris*

Best evidence topic reports

46 Towards evidence based emergency medicine: best BETs from the Manchester Royal Infirmary *Edited by K Mackway-Jones*

46 Radiological diagnosis of mandibular fracture *P Begum, S Jones*

47 Management of undisplaced Bennett's fracture *B Martin, M Smith*

48 Diagnostic imaging of the hip in the limping child *N Wright, V Choudhery*

49 Immediate anticoagulant management of unstable angina *K Richell-Herren, K Mackway-Jones*

Journal scan

50 Journal scan *Edited by J Wardrope; this scan coordinated by J Richards*

Emergency casebooks

53 A magnetic nasal attraction *V M M Ward, D Selvadurai*

53 Complete open dislocation of the talus *E Krasin, M Goldwirth, I Otremski*

55 Unguarded electric plugs cause penetrating head injuries in children *G W Couper, D E Boddie, M S Eljamel, G F Kaar*

56 Occult injury in a diabetic *P A Leonard, J O'Donnell*

57 **Referees**

Abstracts

58 Scientific Meeting of the Faculty of Accident and Emergency Medicine, Royal College of Physicians, London, 3–4 December 1999

Letters to the editor

74 Acute myocardial infarction in patients with left bundle branch block *M Shepherd, R Hardern; Reply W J Brady, F Morris*

74 Confirmation of correct endotracheal tube placement *J J M Black, D V Skinner; Reply R Florance, et al*

75 Anaesthetic training for specialist registrars in accident and emergency *A A Boyle, R Florance, R Mackenzie*

75 Casemix Healthcare Resource Group update *N Brayley, C Day, J Marrow, J Porter*

75 Prospective survey to verify the Ottawa ankle rules *B McCann; Reply S Perry*

76 Fast tracking patients with a proximal femoral fracture—more than a broken bone *J M Ryan, S Singh, G Bryant, S Edwards, P Staniforth*

76 CS incapacitant spray *R D Southward; Reply L Worthington, P A Nee*

77 A rare cause of acute confusional state *B Brewer*

77 **CD-ROM reviews**

77 **Books received**

77 **Notices**

78 **Instructions to authors**

No 2 MARCH 2000

Reviews

79 Review of the role of non-invasive ventilation in the emergency department *A M Cross*

86 Discharge instructions for emergency department patients: what should we provide? *D McD Taylor, P A Cameron*

Original articles

91 Foreign bodies in the nose and ear: a review of techniques for removal in the emergency department *P H Davies, J R Benger*

95 Survey of the use of rapid sequence induction in the accident and emergency department *A Walker, J Brenchley*

98 Characteristics of children and adolescents presenting to accident and emergency departments with deliberate self harm *A Nadkarni, A Parkin, N Dogra, D D Stretch, P Adrian Evans*

103 Triage nurse requested *x* rays—are they worthwhile? *M Lindley-Jones, B J Finlayson*

108 Triage nurse requested *x* rays—the results of a national survey *M Lindley-Jones, B J Finlayson*

111 Complications of tube thoracostomy in trauma *R C Bailey*

115 Chemical protective clothing; a study into the ability of staff to perform lifesaving procedures *Mark J Coates, Ayman S Jundi, Mark R James*

119 Public understanding of medical terminology: non-English speakers may not receive optimal care *M W Cooke, S Wilson, P Cox, A Roalfe*

122 Activities of accident and emergency consultants—a time and motion study *R Brown*

Best evidence topic reports

126 Towards evidence based emergency medicine: best BETS from the Manchester Royal Infirmary *Edited by K Mackway-Jones*

126 Signs and symptoms of oesophageal coins *V Choudhery, S Maurice*

127 Immobilisation of suspected scaphoid fractures *K Gow, R Williams*

128 Activated charcoal in tricyclic antidepressant overdose *C Park, K Richell-Herren*

128 Analgesia and assessment of abdominal pain *K Mackway-Jones, M Harrison*

Journal scan

130 Journal scan *Edited by J Wardrope; this scan coordinated by P Davies and A Mattick*

Special report

133 Mentoring—the trainee's perspective *C D Okereke*

Historical note

136 Discovery of the intraosseous route for fluid administration *B A Foëx*

Case reports

138 Domestic violence: the shaken adult syndrome *T D Carrigan, E Walker, S Barnes*

139 Airbag associated fatal head injury: case report and review of the literature on airbag injuries *K Cunningham, T D Brown, E Gradwell, P A Nee*

143 Anaphylaxis and monoamine oxidase inhibitors—the use of adrenaline *M J Fenwick, C L Muwanga*

144 Prolonged coma due to cerebral fat embolism: report of two cases *L Gregorakos, K Sakayianni, D Hroni, V Harizopoulou, N Markou, F Georgiadou, M Adamidou*

147 Air rifle injury to the oropharynx. The essential role of computed tomography in deciding on surgical exploration *T Hung, P Huchzermeyer, A E Hinton*

149 A useful form of glue ear *J R Benger, P H Davies*

Emergency casebook

151 Asymptomatic cerebellar medulloblastoma unmasked by minor head injury *J J McInerney, A J Colquhoun, G G Bodiwala*

Letters to the editor

152 Intramuscular or intravenous adrenaline in acute, severe anaphylaxis? *A F T Brown*

152 Medical treatment of anaphylaxis *M Gavalas, C Walford, A Sadana, C O'Donnell; Reply D Chamberlain on behalf of the Anaphylaxis Project Team*

153 Future inpatient management of patients with minor head injuries *G McCarthy, G Quin*

153 Cycle helmets *A Fraser-Moodie*

154 Playing in the back seat *M G Jenkins, M Rao*

154 Oesophageal rupture *S Doherty*

154 Carbon monoxide poisoning *S Doherty; Reply M Turner*

154 Evidence based and guideline based medicine *T Carrigan*

155 Weekly web review *G Lloyd*

156 *Emergency Medicine* contents page

No 3 MAY 2000

Reviews

157 A review of telemedicine in accident and emergency: the story so far *J Benger*

165 Current opinions and practices in the treatment of spontaneous pneumothorax *S S W Chan*

170 Echoes of things to come. Ultrasound in UK emergency medicine practice *J Brenchley, J P Sloan, P K Thompson*

Original articles

176 Brain attack!—How good is the early management of subarachnoid haemorrhage in accident and emergency departments? *S Thomson, J M Ryan, J Lyndon, on behalf of the South Thames A&E Specialty Sub Committee Audit Group*

180 The effect of a Picture Archiving and Communications System (PACS) on diagnostic performance in the accident and emergency department *G Weatherburn, S Bryan, A Nicholas, R Cocks*

185 A process approach to improving pain management in the emergency department: development and evaluation *A-M Kelly*

188 The management of hyperkalaemia in the emergency department *P Ahee, A V Crowe*

192 Emergency department discharge instructions: a wide variation in practice across Australasia *D McD Taylor, P A Cameron*

196 The development of an assault patient questionnaire to allow accident and emergency departments to contribute to Crime and Disorder Act local crime audits *V Goodwin, J P Shepherd*

199 The domestic iron. A danger to young children *P Gaffney*

201 Physiological variables during open chest cardiopulmonary resuscitation: results from a small series *J Calinas-Correia, I Phair*

An introduction to statistics

205 An introduction to everyday statistics—1 *P Driscoll, F Lecky, M Crosby*

Best evidence topic reports

212 Towards evidence based emergency medicine: Best BETs from the Manchester Royal Infirmary *Edited by K Mackway-Jones*

212 Antibiotics and compound finger fractures *M Thomas, S Jones*

213 Troponin T to rule out myocardial damage in chest pain *K Richell-Herren, S Maurice*

214 Flumazenil and suspected benzodiazepine overdose *P Kumar Singh, K Richell-Herren*

215 Corticosteroids in acute spinal cord injury *P Wallman, K Mackway-Jones*

Journal scan

216 Journal scan *Edited by J Wardrope; this scan coordinated by T Carrigan*

Case reports

220 Fracture of the occipital condyle: the forgotten part of the neck *A Kelly, R Parrish*

222 Spontaneous pneumothorax: Is it under tension? *V J Holloway, J K Harris*

223 Aorto caval fistula—the "bursting heart syndrome" *S Leigh-Smith, R C Smith*

225 Screwdriver assaults and intracranial injuries *M G Tutton, B Chitnavis, I M Stell*

226 Volar metacarpophalangeal joint dislocation *W L Lam, A M Fitzgerald, G Hooper*

Emergency casebooks

229 Spontaneous spinal epidural haematoma: an unusual cause of neck pain *P Gaffney, J A Guthrie*

230 Late presentation of diaphragmatic hernia and gastric volvulus *L Somers, I Szeki, D Hulbert*

231 Self insertion of urethral foreign bodies *G Quin, G McCarthy*

232 An unusual cause of pilonidal sinus *J P Sloan, J Brenchley*

Letters to the editor

233 Myocardial infarction and left bundle branch block *A Mohammed, T Hassan, W Hamer; Reply J Edhouse, F P Morris*

233 Pedestrian injuries sustained in negotiating traffic calming measures *K Rajesh, M E Lovell*

234 Shock and ipsilateral pulmonary oedema *J G B Thurston*

234 **Notice**

No 4 JULY 2000

Editorials

235 Editorial *J Heyworth*

235 bestbets.org: Odds on favourite for evidence in emergency medicine reaches the world wide web *K Mackway-Jones, S Carley*

Reviews

237 Chest pain evaluation units *G Quin*

241 Migraine: pharmacotherapy in the emergency department *A-M Kelly*

Original articles

246 Communication skills training for emergency department senior house officers—a qualitative study *G Lloyd, D Skarratts, N Robinson, C Reid*

251 Can communication skills workshops for emergency department doctors improve patient satisfaction? *F L Lau*

254 Evaluating the use of computerised clinical guidelines in the accident and emergency department *H D M Poncia, G D R Bryant, J Ryan*

257 A standardised neurosurgical referral letter for the inter-hospital transfer of head injured patients *J Keaney, M O Fitzpatrick, D Beard, D A W Ritchie, L T Dunn*

261 A comparison of the efficacy and safety of morphine and pethidine as analgesia for suspected renal colic in the emergency setting *A O'Connor, S A Schug, H Cardwell*

265 Pain in young children attending an accident and emergency department *C McCarthy, S Hewitt, I Choonara*

268 Why do children vomit after minor head injury? *F D Brown, J Brown, T F Beattie*

272 Drug related deaths in the community: A preventive role for accident and emergency departments? *J M Ryan, I Spronken*

An introduction to statistics

274 An introduction to everyday statistics—2 *P Driscoll, F Lecky, M Crosby*

Best evidence topic reports

282 Towards evidence based emergency medicine: best BETs from the Manchester Royal Infirmary *Edited by K Mackway-Jones*

282 Ingested coins and metal detection *S Maurice, K Mackway-Jones*

283 Regional anaesthesia for femoral shaft fractures in children *R Williams, P Wallman*

284 Activated charcoal in paracetamol overdose *K Richell-Herren, M Harrison*

284 Management of uncomplicated soft tissue gunshot wounds *K Mackway-Jones, M Harrison*

285 Repair of partial lacerations of the extensor tendons of the hand *M Smith, B Martin*

286 Early management of displaced nasal fractures *T Gilpin, S Carley*

286 Antibiotics in base of skull fractures *J Butler, S Carley*

287 Glucose of glucagon for hypoglycaemia *R Boyd, B Foëx*

287 Closure of pretibial lacerations *M Ahmad, B Martin*

288 Digital or metacarpal block for finger injuries *S McKirdy, S Carley*

Journal scan

289 Journal scan *Edited by J Wardrope; this scan coordinated by S Rothwell*

Abstracts

293 Eighth International Conference on Emergency Medicine, Boston, Massachusetts, USA, 4–7 May 2000

300 British Association for Accident and Emergency Medicine Conference, Cambridge, 4–6 April 2000

Letters to the editor

309 Anaesthetic training in accident and emergency *J J O'Donnell*

309 Rapid sequence intubation *S Bush, A Gray, A McGowan, N Nichol*

309 High level simulator *G Lloyd*

309 Emergency cranial computed tomography *K Lambert, M Rickards, N Halford; Reply H Draper, A Rhodes*

310 The irritable hip *S J Bridges, L L Goldsworthy, J L Louis; Reply A Mattick, T Beattie, J Ferguson*

310 Topical anaesthesia use in the management of childrens lacerations, a postal survey *S Bush*

311 Feigning dystonia to feed an unusual drug addiction *B Dooris, C Reid*

311 **Notices**

311 **Books received**

312 *Emergency Medicine* contents page

No 5 SEPTEMBER 2000

Editorial

313 From *Archives* to *JAEM* to the future *P Driscoll, J Wardrope*

Reviews

314 Casualty, accident and emergency, or emergency medicine, the evolution *M Sakr, J Wardrope*

320 A problem-based learning resource in emergency medicine for medical students *A-M Kelly*

324 Acute occlusion of the retinal arteries: current concepts and recent advances in diagnosis and management *S Beatty, K G Au Eong*

Clinical topic review

330 Introduction *A McGowan*

330 The focused trauma ultrasound examination. Can, and should, accident and emergency physicians in the UK acquire this skill? *N Robinson*

Original articles

334 Neonatal head injuries *C A Graham, S J O'Toole*

337 Next day telephone follow up of the elderly: a needs assessment and critical incident monitoring tool for the accident and emergency department *H D M Poncia, J Ryan, M Carver*

341 Biological tissue adhesive for multiple use in the accident and emergency department *C Gerrard, S Moore, B Ryan*

344 The capability of accident and emergency departments to safely decontaminate victims of chemical incidents *P Horby, V Murray, A Cummins, K Mackway-Jones, R Euripidou*

348 Referral to the accident and emergency department following the use of community alarms *G G Youssef, T J Underhill, C Tovey*

351 Regular attenders to the accident and emergency department *R M Lynch, I Greaves*

355 Questionnaires of accident and emergency departments: Are they reproducible? *M W Cooke, S Wilson, P Bridge*

An introduction to statistics

357 An introduction to statistical inference—3 *P Driscoll, F Lecky, M Crosby*

363 Correction

Best evidence topic reports

364 Towards evidence based emergency medicine: Best BETs from the Manchester Royal Infirmary *Edited by K Mackway-Jones*

364 Use of the McCoy laryngoscope in patients with suspected cervical spine fracture *S Carley, J Butler*

365 White cell count and diagnosing appendicitis in pregnancy *R Williams, K Mackway-Jones*

366 Oral acyclovir in acute cutaneous herpes zoster *P Terry, S Buttress*

366 Urinary trypsinogen to rule out acute pancreatitis in patients with abdominal pain *J Butler, M Harrison*

Journal scan

368 Journal scan *Edited by Jim Wardrope; this scan coordinated by R Russell*

Case reports

371 Injuries sustained by aircrew on ejecting from their aircraft *C A Read, J Pillay*

374 Adult spinal cord injury without radiological abnormality *S Crawford, T Bleetman*

376 Hyperventilation: cause or effect? *T A Mehta, J G Sutherland, D W Hodgkinson*

378 Combined brachial plexus and vascular injury in the absence of bony injury *A F MacNamara, A Ismail*

379 Acute cerebrovasuclar accident after minor trauma in a 1 year old *W Matthews, R Freij, K Hashemi*

381 Trauma induced testicular torsion: a reminder for the unwary *Y J Seng, K Moissinac*

Emergency casebooks

383 Retrieval of a metallic foreign body in the neck with a rare earth magnet *J T H Chin, S J Davies, J P Sandler*

384 Circ.com-plications *J E Kennedy*

385 An unusual diagnosis for a swollen limb *M S Lloyd*

386 An unusual cause of stridor *P Gaffney, S Holbrook*

387 A case of bilateral Lisfranc fracture—dislocations in a patient following polytrauma *M D Carter, M J Wilby*

Letter to the editor

388 Rabies in the accident and emergency department *A Mohamed, A Banerjee*

388 **Book reviews**

390 *Emergency Medicine* contents page

No 6 NOVEMBER 2000

Editorial

391 Acute medicine: the physician's role. A working party report of the Federation of Royal Colleges of Physicians of the United Kingdom *R D Hardern*

Original article

392 A national census of ambulance response times to emergency calls in Ireland *N Breen, J Woods, G Bury, A W Murphy, H Brazier*

Review

396 The laws of violence *J Bache*

Best evidence topic reports

400 Towards evidence based emergency medicine: best BETs from the Manchester Royal Infirmary *Edited by K Mackway-Jones*

400 Vomiting and serious head injury *J Barnard, S Carley*

402 Low molecular weight heparin or unfractionated heparin in the treatment of patients with uncomplicated deep vein thrombosis *B Lane, M Harrison*

403 Outpatient treatment for patients with uncomplicated above knee deep vein thrombosis *B Lane, M Harrison*

404 SimpliRed D-dimer assay in suspected pulmonary emoblus *M Harrison, S Jones*

405 Elastic compression stockings and the risk of post-thrombotic syndrome in patients with symptomatic proximal vein thrombosis *B Lane, S Jones*

406 Prior injection of local anaesthetic and the pain and success of intravenous cannulation *R Murphy, S Carley*

An introduction to statistics

409 Article 4. An introduction to estimation—1. Starting from Z *P Driscoll, F Lecky, M Crosby*

Journal scan

416 Journal scan *Edited by Jim Wardrope; this scan coordinated by Rob Russell*

Case reports

419 Phrenic nerve injury following blunt trauma *D Bell, A Siriwardena*

421 Non-penetrating chest blows and sudden death in the young *S Thakore, M Johnston, E Rogena, Z Peng, D Sadler*

422 Extracorporeal rewarming in a severely hypothermic patient using venovenous haemofiltration in the accident and emergency department *K Spooner, A Hassani*

425 Snap without crackle or pop: a rude awakening. A case history of penile fracture *P Gilligan, M Smith, F Todd, P Bradley, A Shenton*

426 Brugada syndrome—the missed epidemic *J M Butler*

Emergency casebooks

429 Posterior dislocation of hip in adolescents attributable to casual rugby *K Mohanty, S K Gupta, A Langston*

430 Retropharyngeal haematoma after blunt trauma *Y S Vakees, K Hashemi, R Freij*

431 Radiology case report: a nasty orbital abscess *M E Papesch, J M Philpott*

Letters to the editor

432 Punchbag machine injuries in a nightclub *H Forshaw, J Wyatt*

432 Does intraosseous have to mean intramedullary? *G Mccarthy, P Buss, B Foëx*

Book review

432 Emergency Medicine, Concepts and Clinical Practice. 4th Edition on CD-ROM.

433 Referees

Abstracts

434 The Millennium Scientific Meeting, Manchester, 9–11 October 2000

451 *Emergency Medicine* contents pages

452 **Index**

Contents